

Exhibit B - Alignments showing that the Shaner et al. proteins have at least 80% identity with SEQ ID NO:12.

SeqA Name	Len(aa)	SeqB Name	Len(aa)	Score
1 SEQ_ID_12	225	2 mHomeydew	225	83
1 SEQ_ID_12	225	3 mBanana	236	80
1 SEQ_ID_12	225	4 mOrange	236	82
1 SEQ_ID_12	225	5 dTomato	234	89
1 SEQ_ID_12	225	6 tdTomato	476	89
1 SEQ_ID_12	225	7 mTangerine	225	84
1 SEQ_ID_12	225	8 mStrawberry	236	80
1 SEQ_ID_12	225	9 mCherry	236	81

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SEQ_ID_12      MRS-SKN---VIKEFMRPKVRMEGTVN----- 23
mOrange        MVSKGEENNMAI I KEFMRPKVRMEGSVN----- 28
mStrawberry    MVSKGEENNMAI I KEFMRPKVRMEGSVN----- 28
mBanana        MVSKGEENNMAVIKEFMRPKVRMEGSVN----- 28
mCherry        MVSKGEEDNMAI I KEFMRPKVHMEGSVN----- 28
mHomeydew      MASSED-----VIKEFMRPKVRMEGSVN----- 23
mTangerine     MASSED-----VIKEFMRPKVRMEGSVN----- 23
dTomato        MVSKGEE---VIKEFMRPKVRMEGSMN----- 24
tdTomato       MVSKGEE---VIKEFMRPKVRMEGSMNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGLP 56
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SEQ_ID_12      -----
mOrange        -----
mStrawberry    -----
mBanana        -----
mCherry        -----
mHomeydew      -----
mTangerine     -----
dTomato        -----
tdTomato       FAWDILSPQFMYGSKAYVKHPADIPDYKKLSFPEGFKWERVMNPFEDGGLVTVTQDSSLQD 116

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SEQ_ID_12      -----
mOrange        -----
mStrawberry    -----
mBanana        -----
mCherry        -----
mHomeydew      -----
mTangerine     -----
dTomato        -----
tdTomato       GTLIYKVKMRGTNFPDPGPVMQKKTMGWEASTERLYPRDGVLKGEIHQALKLKDGGHYLV 176

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SEQ_ID_12      -----
mOrange        -----
mStrawberry    -----
mBanana        -----
mCherry        -----
mHomeydew      -----
mTangerine     -----
dTomato        -----
tdTomato       EFKTIYMAKKPVQLPGYYVDTKLDITSHNEDYTIVEQYERSEGRHHLFLGHGTGSG 236

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SEQ_ID_12	LVEFKSIYMAKKPVQLPGYYYVDSKLDITSHNEDYTIIVEQYERTEGRHHFL-----	225
mOrange	TSEVKTTYKAKKPVQLPGAYIVGIKLDITSHNEDYTIIVEQYERABGRHSTG--GMDELYK	236
mStrawberry	DAEVKTTYKAKKPVQLPGAYIVGIKLDITSHNEDYTIIVELYERABGRHSTG--GMDELYK	236
mBanana	SAETKTTYKAKKPVQLPGAYIAGEKIDITSHNEDYTIIVELYERABGRHSTG--GMDELYK	236
mCherry	DAEVKTTYKAKKPVQLPGAYVNVKIDITSHNEDYTIIVEQYERABGRHSTG--GMDELYK	236
mHoneydew	DAEVKTTYMAKKPVQLPGAYKIDGKLDITSHNEDYTIIVEQYERABGRHSTG--A-----	225
mTangerine	DAEVKTTYMAKKPVQLPGAYKTDIKLDITSHNEDYTIIVELYERABGRHSTG--A-----	225
dTomato	LVEFKTIYMAKKPVQLPGYYYVDTKLDITSHNEDYTIIVEQYERSEGRHHFLFYGMDELYK	234
tdTomato	LVEFKTIYMAKKPVQLPGYYYVDTKLDITSHNEDYTIIVEQYERSEGRHHFLFYGMDELYK	476